

RAIL-
ROAD,
FIELD,
FARM
AND
HOG
FENCE.

CATALOGUE

CONSOLIDATED

FIELD FENCING

MANUFACTURED BY

CONSOLIDATED STEEL AND WIRE COMPANY,

Havemeyer Building, New York City.

NOTICE.

Pages 10, 11 & 12 are Void.

Sold by

*as we do not make the styles
shown thereon.*

... INDEX ...

Page.

1. *Introduction.*
2. *Bad Features in Some Fences.*
3. *A Few Points of Superiority.*
4. *Style No. A-1258 (cut) 12 bar, 58 in. regular.*
5. " " A-1149 " 11 " 49 "
6. " " A-1041 " 10 " 41 "
7. " " A-934 " 9 " 34 "
8. " " A-828 " 8 " 28 "
9. " " A-722½ " 7 " 22½ hog fence
10. " " B-1258 " 12 " 58 in. extra.
11. " " B-1149 " 11 " 49 "
12. " " B-1041 " 10 " 41 "
13. *Special Styles.*
14. "

Page.

15. *Expansion and Contraction. Uneven Ground. Quality of Wire Used.*
16. *Method of Setting, Anchoring and Bracing End Posts.*
17. *Directions for Building. Distance between Posts.*
18. *Consolidated Stretcher.*
19. *Directions for using Consolidated Stretcher. How to Erect Field Fence across a Ravine.*
20. *Splicing (cut).*
21. *Cut showing height of different fences manufactured.*
22. *Illustration.*
23. *Illustration.*
24. *Price List.*

CONSOLIDATED FIELD FENCING.

✻ WOVEN WIRE FENCE ✻

THERE has been for several years a limited demand for a Woven Wire Fence. We have watched the development of this demand, waiting for the time to come when it would be sufficiently large to warrant the establishment of a plant with capacity to produce fence in large quantities and thereby make it at a low cost. We believe the time has now arrived.

Profiting by the experience of our competitors earlier in the business, we have invented a fence free from all the defects that we have observed in other fences.

We invite your attention to the next page, where we try to point out bad features for any fence to contain, and also state wherein our fence differs, and we request your patronage solely on the merits of our goods and the low prices at which we sell them.

Yours truly,

CONSOLIDATED STEEL AND WIRE CO.

❧ BAD FEATURES IN SOME FENCES ❧

The bad feature in most all field fences now on the market is that **TOO MUCH FINE WIRE IS USED** in their construction—the wires rust or break too soon and the fence lasts but a short time, as a fence, like a chain, is no stronger than its weakest part (See illustration on page 23, where the stay wires were small). The Diamond mesh fence cannot be easily erected over uneven ground. More or less cutting and splicing is necessary and the splices are difficult to make.

EXPANSION AND CONTRACTION IS NOT PROVIDED FOR

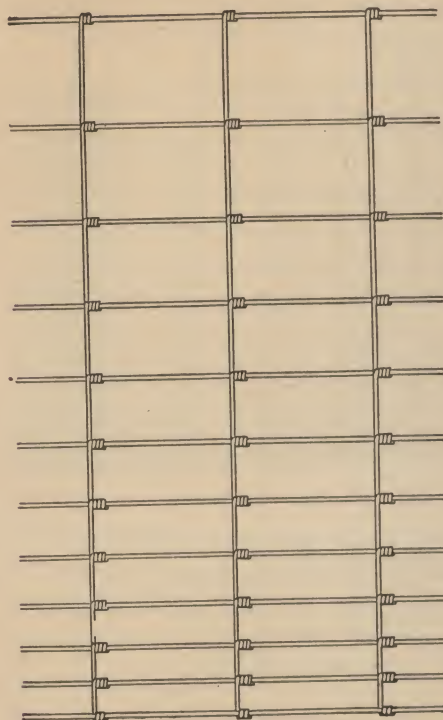
in the fence with cable wires for top and bottom, and with at least some of the intermediate wires a perfectly straight single wire. The single straight wires will break or sag, and as cable wires will not stretch, being twisted one wire around another, the fence has no elasticity.

THE BAD FEATURE IN ALL FENCES WOVEN LIKE POULTRY NETTING

is, that the breaking of a single wire will make a large hole and all the wires pull away from the break. (See illustration, page 22.)

❧ OUR FENCE ❧

has no fine wire in its construction; is made of the best galvanized steel wire, and will last a lifetime. It is readily erected over uneven ground without cutting or splicing. It has a slight bend at every joint, sufficient to take care of all expansion and contraction. It has no twisted cables to hold water and moisture, and thereby start rust and decay. Construction most simple and fence always straight. Durability equalled by none.



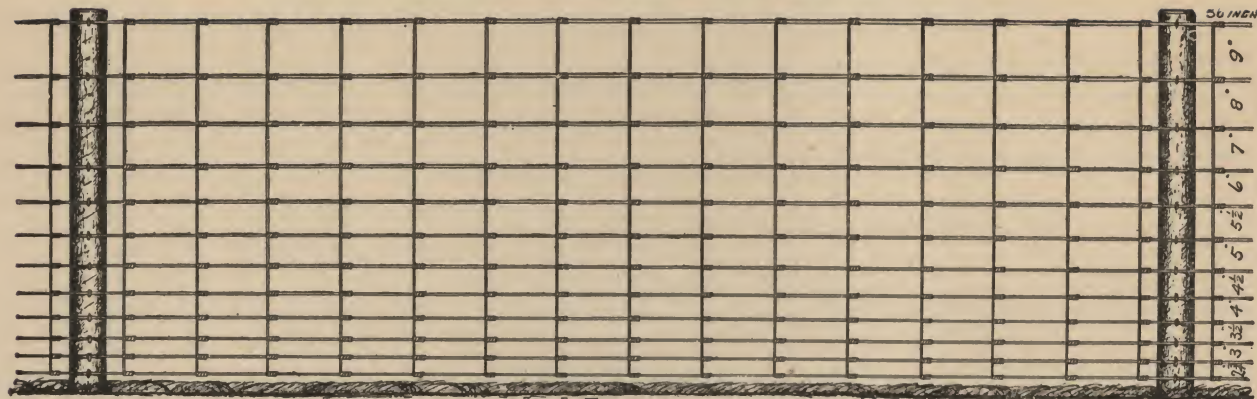
A Few Points of Superiority.

1. *The handsome appearance of the fence when it is up.*
2. *There are no small wires in its construction; the strand wires being Nos. 9 and 11 and the stay wires No. 12.*
3. *The crimp in the wire to provide for expansion and contraction.*
4. *The perfect winding of the joint, and the crimp in the strand wire that prevents its moving out of place. It is an adjustable fence.*
5. *On account of the way the joints are made, and its being a square mesh fence, it can be stretched over uneven ground and kept always at the same distance from the ground, whereas it is almost impossible to stretch over uneven ground all fences having diagonal wires in their construction.*
6. *On account of the extreme twist in making the joints, we can only use the very best steel wire, and the same is used throughout the entire fence.*

Just the fence wanted by the farmer. Simple in construction; strong and durable; easily put up, and one that will last a lifetime.

CONSOLIDATED FIELD FENCING.

STYLE No. A-1258. Sold in 40-rod rolls.



Twelve Bar 58-inch Regular.

This is the height and style of fence that is complete in itself for all purposes without the use of any other wire of any kind either at top or bottom. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6, 7, 8 and 9 inches. The upright or stay wires are 12 inches apart.

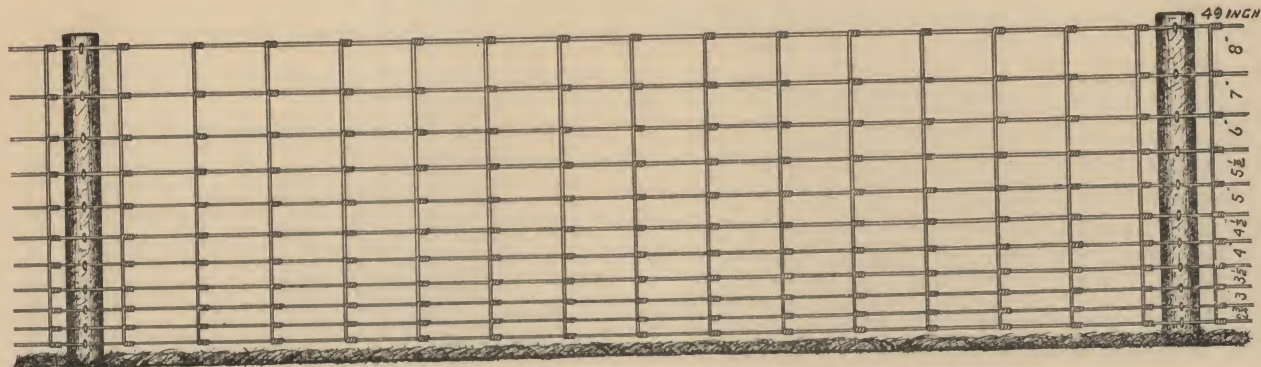
Top and bottom wires are No. 9; all other strand wire No. 11. Stay wires No. 12.

A FENCE IS LIKE A CHAIN, NO STRONGER THAN THE WEAKEST PART,

CONSOLIDATED FIELD FENCING.

5

STYLE No. A-1149. Sold in 40-rod rolls.



Eleven Bar 49-inch Regular.

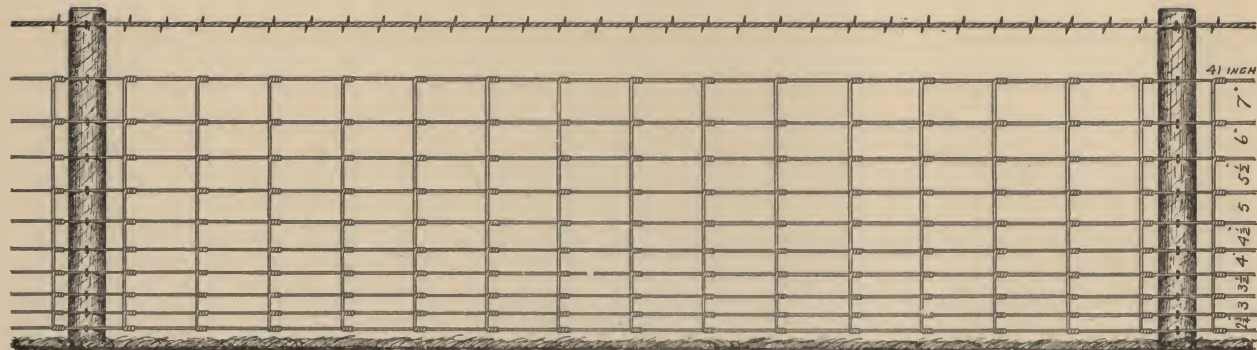
This fence is also complete for all general purposes, and though not quite so high as the twelve-bar, does not require the use of cable or barbed wire at the top. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6, 7 and 8 inches.

Top and bottom wires are No. 9; all other strand wire No. 11. Stay Wire No. 12.

DO NOT BUY FENCING WITH ANY SMALL WIRE IN IT.

CONSOLIDATED FIELD FENCING.

STYLE No. A-1041. Sold in 40-rod rolls.



Ten Bar 41-inch Regular.

This is a popular fence with those who desire to put a strand of barbed or cable wire at the top, as shown in the cut. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6 and 7 inches.

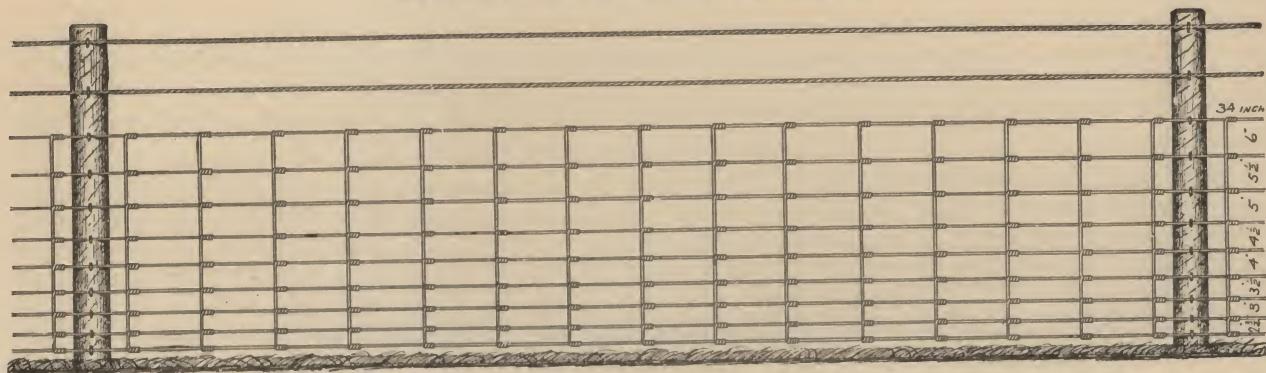
Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

**SMALL WIRE RUSTS OUT QUICKEST, AND ANY FENCE WITH SMALL WIRE IN IT, IS
LIKE A CHAIN WITH A WEAK LINK.**

CONSOLIDATED FIELD FENCING.

7

STYLE No. A-934. Sold in 40-rod rolls.



Nine Bar 34-inch Regular.

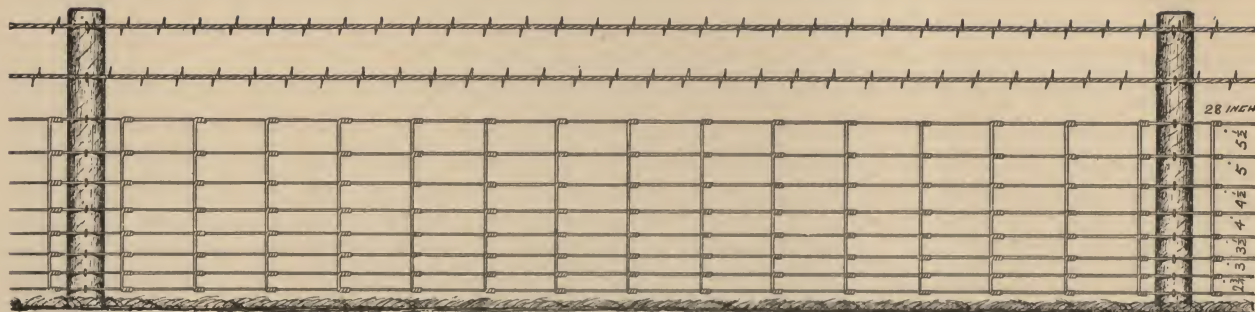
This style is used as a hog fence. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$ and 6 inches. A cattle fence can be made by placing two cable wires above, as shown in the cut.

Top and bottom wires are No. 9, all other strand wire No. 11. Stay wire No. 12.

OUR 12-INCH STAY FENCE WILL TURN PIGS.

CONSOLIDATED FIELD FENCING.

STYLE No. A-828. Sold in 40-rod rolls.



Eight Bar 28-inch Regular.

This style is used as a hog fence. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3 , $3\frac{1}{2}$, 4 , $4\frac{1}{2}$, 5 and $5\frac{1}{2}$ inches. A cattle fence can be made with it by placing two barb wires above it, as shown in the cut.

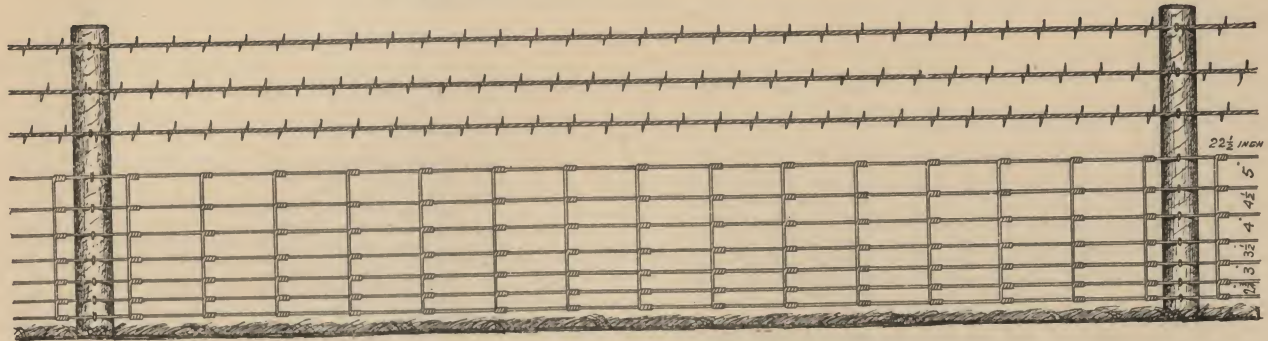
Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

STAY WIRES IN ALL OUR REGULAR STYLES, 12 INCHES APART.

CONSOLIDATED FIELD FENCING.

9

STYLE No. A-722½. Sold in 40-rod rolls.



Seven Bar 22½-inch Hog Fence.

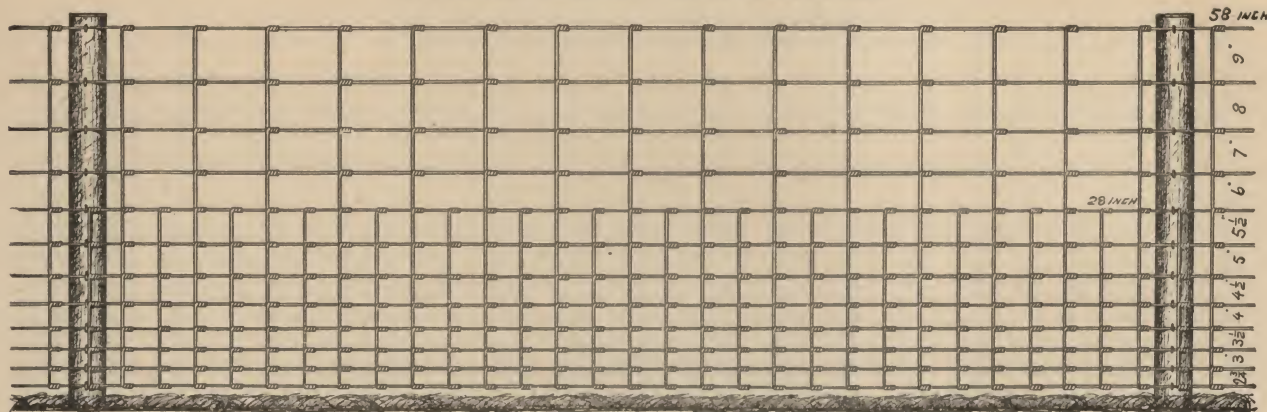
This is our regular hog fence. Two or three strands of barbed wire will make both a hog and cattle fence. The spaces from the bottom wire up are as follows: 2¾, 3, 3½, 4, 4½ and 5 inches.

Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

OUR FENCE CAN BE EASILY STRETCHED OVER THE TOP OF A HILL OR DOWN THROUGH A RAVINE.

CONSOLIDATED FIELD FENCING.

STYLE No. B-1258. Sold in 40-rod rolls.



Twelve Bar, 58 inches High.

This fence is the same as our regular twelve bar 58-inch fence, with an extra stay in between the regular stays, making stays only 6 inches apart at the bottom, extending up 28 inches. The spaces from the bottom wire up are as follows: $2\frac{3}{4}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$, 6, 7, 8 and 9 inches. We recommend this style to everyone wanting a closely woven fence at the bottom.

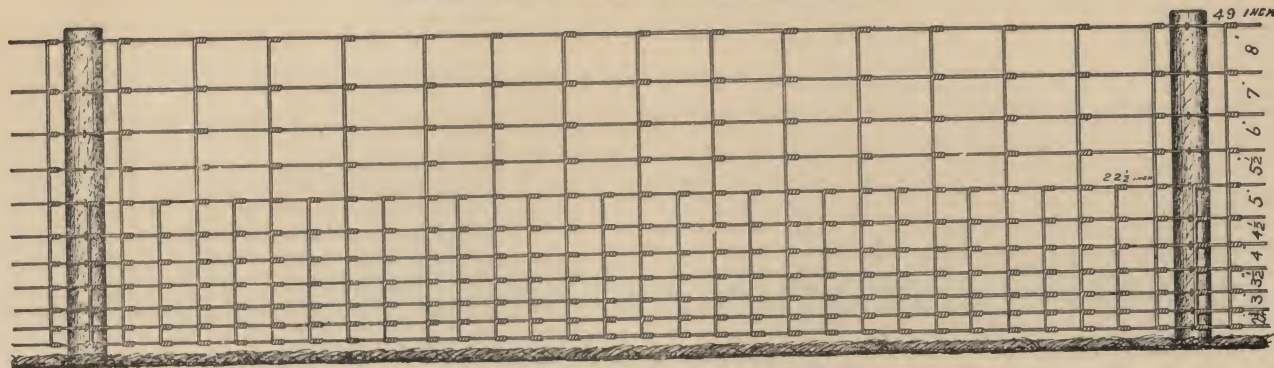
Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

IT IS A FENCE OF REAL MERIT AND FREE FROM ALL THE DEFECTS OF OTHER FENCES.

CONSOLIDATED FIELD FENCING.

11

STYLE No. B-1149. Sold in 40-rod rolls.



Eleven Bar, 49 inches High.

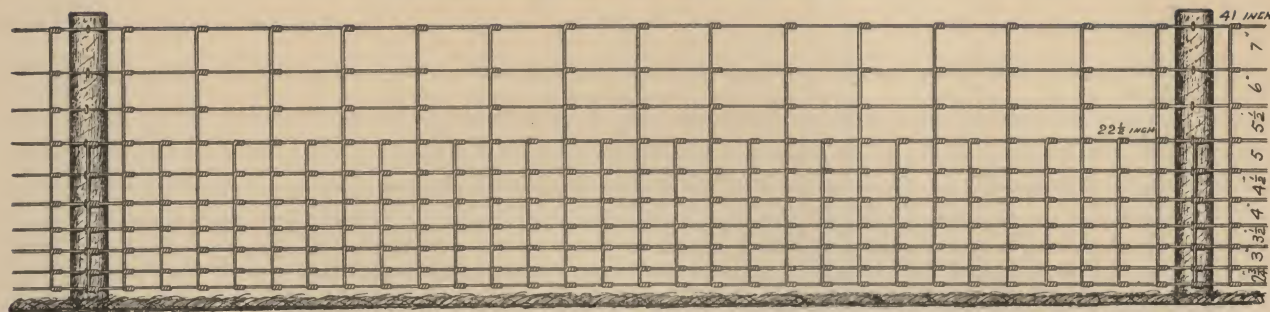
This fence is the same as our regular eleven bar 49 inch fence, with an extra stay in between the regular stays, from the bottom up 22½ inches, making stays at the bottom only 6 inches apart. Stays on upper half of fence 12 inches apart. The spaces from the bottom wire up are as follows: 2¾, 3, 3½, 4, 4½, 5, 5½, 6, 7 and 8 inches,

Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

WE GUARANTEE OUR FENCE WILL TURN HOGS AND CATTLE.

CONSOLIDATED FIELD FENCING.

STYLE No. B-1041. Sold in 40-rod rolls.



Ten Bar, 41 inches High.

This fence is the same as our regular ten bar, 41-inch fence, with an extra stay in between the regular stays from the bottom up 22½ inches, making stays at bottom only 6 inches apart. Stays on upper part of fence are 12 inches apart. The spaces from the bottom up are as follows : 2¾, 3, 3½, 4, 4½, 5, 5½, 6 and 7 inches.

For a high fence use a barbed or cable wire on top.

**OUR FENCE WILL TURN HOGS, SHEEP, CATTLE, HORSES AND ALL KINDS OF STOCK,
AND WILL NOT INJURE FLEECE OR HIDE.**

❖ SPECIAL STYLES ❖

We make the following fences, which we do not illustrate, as the other styles answer nearly all the trade require. We do not carry any of these in stock, but can furnish same whenever wanted.

STYLE No. A-1155. 40-rod rolls.

Eleven bar, 55 inches high; spaces from bottom wire up, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8 and 9 inches. Stays 12 inches apart. Top and bottom wires are No. 9; all other strand wire No. 11. Stay wire No. 12.

STYLE No. B-1155. 40-rod rolls.

Same as No. A-1155, with extra stays between regular stays, from the bottom up 28 inches, making stays at bottom 6 inches apart.

STYLE No. A-1046. 40-rod rolls.

Ten bar, 46 inches high, Wires spaced from bottom as follows: 3, 3½, 4, 4½, 5, 5½, 6, 7 and 8 inches. Stays 12 inches apart. This is designed to use barbed or cable wire on top.

CONSOLIDATED FIELD FENCING.

SPECIAL STYLES.—Continued.

STYLE No. A-938. 40-rod rolls.

Nine bar, 38 inches high, spaces from bottom as follows: 3, 3½, 4, 4½, 5, 5½, 6 and 7 inches. To be used for hog or sheep fence, with cable or barbed wire on top.

STYLE No. A-831. 40-rod rolls.

Eight bar, 31 inches high, spaces from bottom as follows: 3, 3½, 4, 4½, 5, 5½ and 6 inches. To be used for hog or sheep fence, with cable or barbed wire on top.

STYLE No. A-635. 40-rod rolls.

Six bar, 35 inches high, spaces from bottom as follows: 5½, 6, 7, 8 and 9 inches. To be placed high enough from the ground and used as a horse and cattle fence. For an extra high fence put a strand of cable or barbed wire on top.

STYLE No. A-535. 40-rod rolls.

Five bar, 35 inches high, spaces from bottom as follows: 6, 7, 8 and 9 inches. For horse and cattle fence only, in connection with barbed wire.

Expansion and Contraction.

The old theory, that wires must be twisted together to counteract the effects of heat and cold, has been exploded.

We claim that the CRIMP in our fence fully provides for expansion and contraction—that it is even better than the twisted wires because we get more strength with less weight of wire, and the single wire does not hold the water causing it to rust.

Uneven Ground.

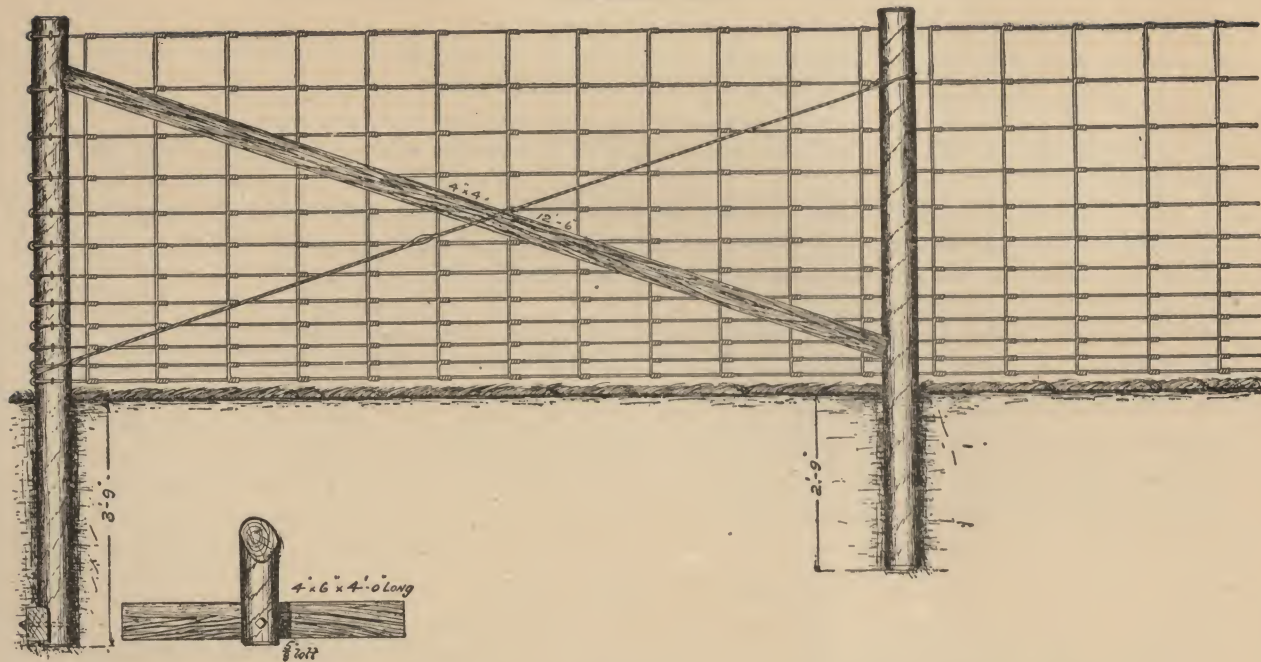
The Consolidated fence is easily put up over uneven ground. The hinge joint at each intersection of the wires makes an adjustable fence which can be built over hills and through ditches with but little more trouble than on the level; no cutting and splicing the wires, which is necessary with most fences built over rough ground

Quality of Wire Used.

As we manufacture wire from the raw material, we are enabled to make a wire especially for our fencing—using an extra quality of steel that is better than is generally used.

Special care is taken in galvanizing the wire so that it cannot rust.

CONSOLIDATED FIELD FENCING.



The above cut shows the best method of setting, anchoring and bracing the end posts.

Directions for Building.

It will pay you to build the fence well.

We particularly call your attention to the cut on the opposite page. The all important thing in the erection of the fence is the setting and bracing of the end posts, for upon these comes the great strain.

Bed the nine-foot posts three feet, nine inches in the ground, with the pieces that are bolted to the bottom set at right angles to the direction the fence is being strung.

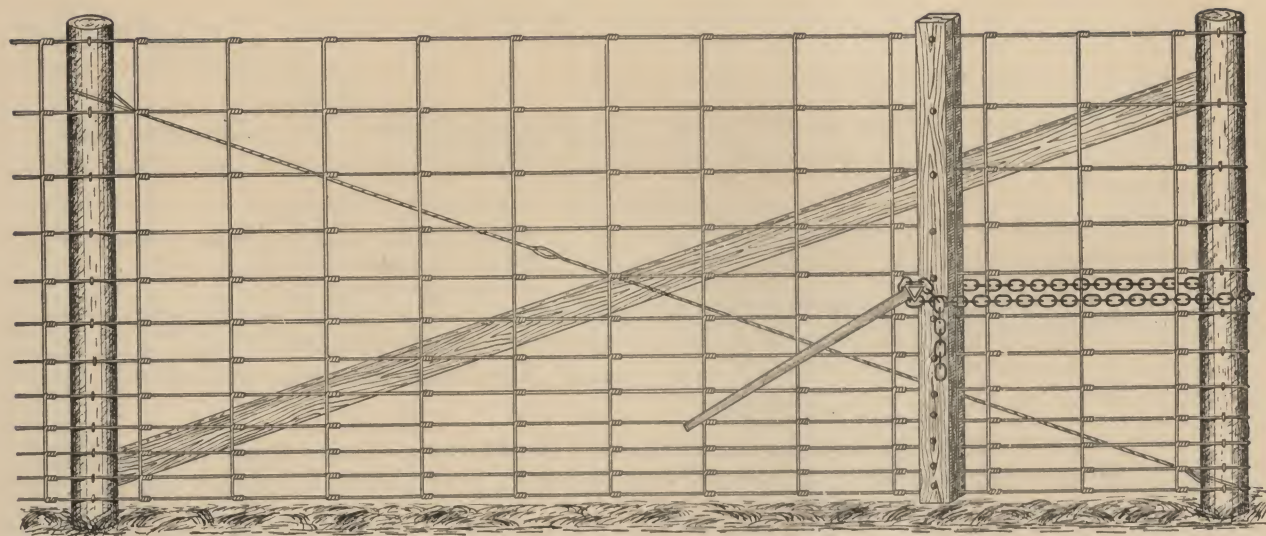
Use 4 x 4 wood braces between the end posts and the one next to them; pass the brace wire around the end posts and the one next to them; bring ends together and splice; take a piece of iron or a stick and pass between the brace wire loop you have made and twist, thus drawing the posts and the brace timbers tightly together.

Staple the fence to the post at the end from which you started. The end of the fence should wrap entirely around the end posts and each wire be securely stapled with four or five staples.

Distance between Posts.

The distance between the posts may be 16 or 32 feet, according to the requirements of the fence after it is up. For best results we recommend that the posts be placed one rod apart.

CONSOLIDATED FIELD FENCING.

*CONSOLIDATED STRETCHER IN USE.*

Directions for Using Consolidated Stretcher.

Please note carefully the cut on the opposite page.

Attach the stretcher clamps, as shown, and to them attach the stretcher as nearly as possible to the center of the fence; then stretch the fence until it is perfectly taut and staple securely. The top and bottom wire should have two staples at each intermediate post.

Be careful to set posts in perfect line both on top and bottom and along their faces as well. If you are unable to stretch so each wire is taut, stretch as tightly as possible and staple thoroughly to end posts; then catch each slack wire with a monkey-wrench at the center of the posts and bend an offset in the wire and drive a staple at each end of the offset. This will make every wire in the entire fence taut and present a smooth appearance.

To Erect Field Fence Across a Ravine.

Set all posts vertical regardless of ground level.

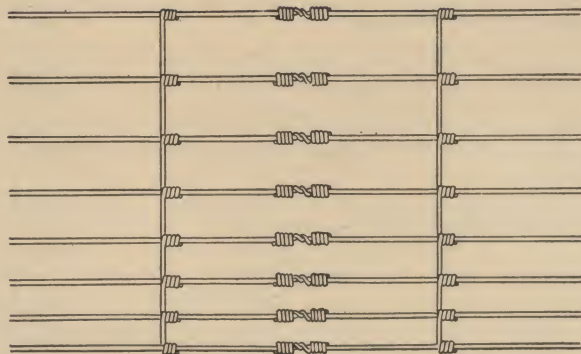
If ravine is very deep, the posts in bottom should be anchored by bolting a cross piece 3 feet long to lower end of post, and attach a No. 9 wire to bottom of posts on each side of anchor post, passing it over top of anchor post; this is to keep the fence from pulling up the posts.

Staple the fence securely to end post on one side and apply stretcher to the other side and stretch tight as though the ground were level, and staple the fence to all the posts to where it starts down the hill; then stand on the lower strand of the fence and depress it to the right place and staple fast, and continue in this manner from post to post until the bottom of the ravine is reached.

It will be necessary to slacken the tension as the fence is depressed.

CONSOLIDATED FIELD FENCING.

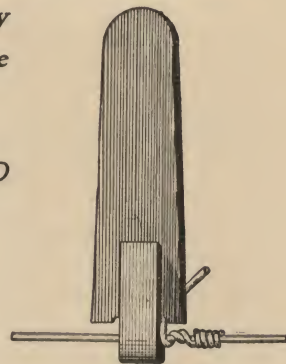
Splicing.



With a common wire splicer or pair of pliers, it is a very simple matter to splice the

**CONSOLIDATED
FIELD
FENCING.**

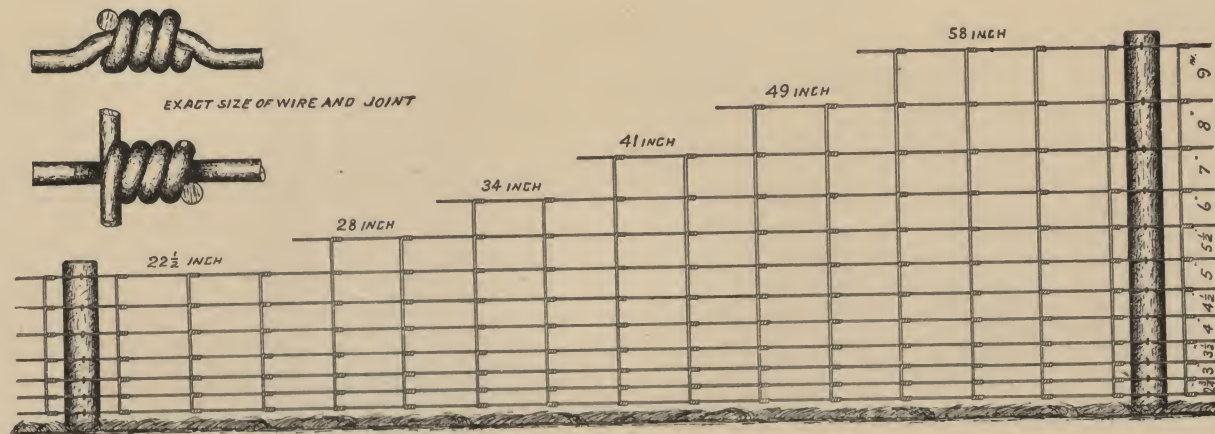
The cut on this page shows fully the manner of making a splice.



WIRE SPLICER.

CONSOLIDATED FIELD FENCING.

21



This cut shows the height of the fences, which we make regularly with stays 12 inches and 6 inches apart. The cut also shows the crimp in the main strands and the manner of making the joint.

CONSOLIDATED FIELD FENCING.



Diamond mesh, or any fence of the description shown in above cut, is not good for the reason that every wire is pulling away from the others, and the breaking of one wire only, makes a large hole.



DO NOT buy fence with any light wire in it. The above fence has Number 14 stay wires, which soon give way and the fence is ruined.

CONSOLIDATED FIELD FENCING.

PRICE LIST.

REGULAR FENCING.

Inches High	No. of Bars	Breaking Strain. Pounds	Price per Rod, 12-in. Stays	Weight per Rod, 12-in. Stays.	Price per Rod, 6-in. Stays	Weight per Rod, 6-in. Stays.
58	12	13,120	\$0.60	11	\$0.90	15½
49	11	12,120	.55	10	.80	13
41	10	11,120	.50	9	.70	11½
34	9	10,120	.45	8	.60	10
28	8	9,120	.42	7	.55	9
22½	7	8,120	.37	6	.50	8

EXTRA FENCING.

With Stay Wires 6 inches apart at bottom and 12 inches apart at top of the fence.

58	12	13,120	\$0.75	12½		
55	11	12,120	.72	11½		
49	11	12,120	.70	11½		
41	10	11,120	.65	10½		

SPECIAL STYLES.

With Stay Wires 12 inches apart.

STRETCHER.

55	11	12,120	.55	9	Complete
46	10	11,120	.50	8	\$3.50
38	9	10,120	.45	7½	
31	8	9,120	.40	7	Splicer
35	6	7,120	.35	6	
30	5	6,120	.30	5	.50

OFFICES:
CONSOLIDATED STEEL & WIRE CO.
HAVEMEYER BUILDING,
F. E. PATTERSON, MANAGER.

ALL AGREEMENTS CONTINGENT UPON STRIKES, ACCIDENTS AND OTHER CAUSES BEYOND OUR CONTROL
PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

NEW YORK, December 1897.

Gentlemen:

ALL LIVE MERCHANTS are on the lookout for SPECIALTIES in their line of business, especially for articles of everyday use and for which they can secure EXCLUSIVE CONTROL, and so insure themselves a GOOD PROFIT.

We have such a specialty in our CONSOLIDATED FIELD FENCING, and beg to call your attention to the enclosed catalogue regarding it.

We want the best merchant in each town to handle it, and to such we will give—subject to certain conditions—the exclusive sale of it in that place.

We have been manufacturing the fence for a year or more at our Western Mills, but have not sold it in the East except to the Railways—with which it is a prime favorite—because our facilities were not sufficient to supply the general trade. We are now making it at our Allentown Mills (in Eastern Pennsylvania) and are prepared to supply all ordinary demands for it.

The fence has many points of excellence, those of most interest to dealers being—

It is sold only to the retail trade direct.

It pays the highest profit to the dealer.

It is not open to competition by other dealers.

It is the cheapest to the consumer.

It is the strongest Field Fence made.

It always gives satisfaction to users.

It is sold by the rod.

It is attractive in appearance.

It is unaffected by heat or cold.

It is adapted for all purposes for farm or lawn.

As a matter of fact it cannot be properly described and must be seen to be appreciated.

It is our policy to sell our Field Fence to the retail trade only, and to only one merchant in each place, thus protecting them against unfair competition, and insuring them a liberal profit.

The fence is not an experiment, but has been fully tried and tested, therefore a merchant runs no risk in buying it, and will be consulting his own interest by securing the agency if possible.

If you can handle it to advantage, and are prepared to push its sale and give an order to justify placing the agency with you, we will be glad to hear from you.

Yours truly,

CONSOLIDATED STEEL & WIRE CO.

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Gerron S. Hite

West Texas Collection, Angelo State University, San Angelo, TX

